

L1 C/A PRN CODE ASSIGNMENTS

For additional information, please refer to IS-GPS-200 at <http://gps.losangeles.af.mil/engineering/icwg>

PRN Signal Number	G2 Delay (Chips)	Initial G2 Setting (Octal) ¹	First 10 Chips (Octal) ¹	PRN Allocations	Orbital Slot	Effective Date
1 – 63	(1)	(1)	(1)	Reserved (GPS)	N/A	Current
64 – 119	(1)	(1)	(1)	Reserved (GBAS & Other Augmentation Systems)	N/A	Current
120 – 158	-	-	-	Reserved (SBAS)	See Below	Updated
159 – 210	-	-	-	Reserved (Other GNSS & Other Applications)	See Below	Current

(1) See IS-GPS-200 for information.

Satellite Based Augmentation System (SBAS)

120	145	1106	0671	INMARSAT 3F2, AOR-E	15.5 W	Current
121	175	1241	0536	INMARSAT 4F2, AOR-W	53 W	Expires 4/09
121	175	1241	0536	INMARSAT 3F5, EMEA	25 E	Active 4/09
122	52	0267	1510	INMARSAT 3F4, PAC-C	142 W	Expires 1/09
122	52	0267	1510	INMARSAT 3F4, AOR-W	53 W	Active 1/09
123	21	0232	1545	Unallocated	-	Current
124	237	1617	0160	ARTEMIS	21.5 E	Current
125	235	1076	0701	Unallocated	-	Current
126	886	1764	0013	INMARSAT 3F5, IND-W	25 E	Expires 4/09
126	886	1764	0013	INMARSAT 4F2, IND-W	25 E	Active 4/09
127	657	0717	1060	INSATNAV	82 E	Current
128	634	1532	0245	INSATNAV	55 E	Current
129	762	1250	0527	MTSAT-1R (or MTSAT-2) ²	140 E	Current
130	355	0341	1436	INMARSAT 4F1	64 E	Expires 3/09
130	355	0341	1436	INMARSAT 4F1, APAC	142.5 E	Active 3/09
131	1012	0551	1226	INMARSAT 3F1, IOR	64 E	Current
132	176	0520	1257	Unallocated	-	Current
133	603	1731	0046	INMARSAT 4F3	N/A	Expires 10/09
133	603	1731	0046	INMARSAT 4F3, AMER	98 W	Active 10/09
134	130	0706	1071	INMARSAT 3F3, POR	178 E	Current
135	359	1216	0561	LM RPS-1 (WAAS)	133 W	Current

136	595	0740	1037	INMARSAT Reserved	8 E	Current
137	68	1007	0770	MTSAT-2 (or MTSAT-1R) ²	145 E	Current
138	386	0450	1327	LM RPS-2 (WAAS)	107.3	Current
139	797	0305	1327	Unallocated	-	Current
140	456	1653	0124	Unallocated	-	Current
141	499	1411	0366	Unallocated	-	Current
142	883	1644	0133	Unallocated	-	Current
143	307	1312	0465	Unallocated	-	Current
144	127	1060	0717	Unallocated	-	Current
145	211	1560	0217	Unallocated	-	Current
146	121	0035	1742	Unallocated	-	Current
147	118	0355	1422	Unallocated	-	Current
148	163	0335	1442	Unallocated	-	Current
149	628	1254	0523	Unallocated	-	Current
150	853	1041	0736	Unallocated	-	Current
151	484	0142	1635	Unallocated	-	Current
152	289	1641	0136	Unallocated	-	Current
153	811	1504	0273	Unallocated	-	Current
154	202	0751	1026	Unallocated	-	Current
155	1021	1774	0003	Unallocated	-	Current
156	463	0107	1670	Unallocated	-	Current
157	568	1153	0624	Unallocated	-	Current
158	904	1542	0235	Unallocated	-	Current

Other Global Navigation Satellite Systems (GNSS) & Other Applications

159	670	1223	0554	Unallocated		Current
160	230	1702	0075	Unallocated		Current
161	911	0436	1341	Unallocated		Current
162	684	1735	0042	Unallocated		Current
163	309	1662	0115	Unallocated		Current
164	644	1570	0207	Unallocated		Current
165	932	1573	0204	Unallocated		Current
166	12	0201	1576	Unallocated		Current
167	314	0635	1142	Unallocated		Current
168	891	1737	0040	Unallocated		Current

						Current
169	212	1670	0107	Unallocated		
170	185	0134	1643	Unallocated		Current
171	675	1224	0553	Unallocated		Current
172	503	1460	0553	Unallocated	-	Current
173	150	1362	0415	QZSS – IMES ³	Ground	Current
174	395	1654	0123	QZSS – IMES ³	Ground	Current
175	345	0510	1267	QZSS – IMES ³	Ground	Current
176	846	0242	1535	QZSS – IMES ³	Ground	Current
177	798	1142	0635	QZSS – IMES ³	Ground	Current
178	992	1017	0760	QZSS – IMES ³	Ground	Current
179	357	1070	0707	QZSS – IMES ³	Ground	Current
180	995	0501	1276	QZSS – IMES ³	Ground	Current
181	877	0455	1322	QZSS – IMES ³	Ground	Current
182	112	1566	0211	QZSS – IMES ³	Ground	Current
183	144	0215	1562	QZS1	A1 ⁴	Current
184	476	1003	0774	Reserved (QZSS)	TBD	Current
185	193	1454	0323	Reserved (QZSS)	TBD	Current
186	109	1665	0112	Reserved (QZSS)	TBD	Current
187	445	0471	1306	Reserved (QZSS)	TBD	Current
188	291	1750	0027	Reserved (QZSS)	TBD	Current
189	87	0307	1470	Reserved (QZSS)	TBD	Current
190	399	0272	1505	Reserved (QZSS)	TBD	Current
191	292	0764	1013	Reserved (QZSS)	TBD	Current
192	901	1422	0355	Reserved (QZSS)	TBD	Current
193	339	1050	0727	QZS1	A1 ⁴	Current
194	208	1607	0170	Reserved (QZSS)	TBD	Current
195	711	1747	0030	Reserved (QZSS)	TBD	Current
196	189	1305	0472	Reserved (QZSS)	TBD	Current
197	263	0540	1237	Reserved (QZSS)	TBD	Current
198	537	1363	0414	Reserved (QZSS)	TBD	Current
199	663	0727	1050	Reserved (QZSS)	TBD	Current
200	942	0147	1630	Reserved (QZSS)	TBD	Current
201	173	1206	0571	Reserved (QZSS)	TBD	Current
202	900	1045	0732	Reserved (QZSS)	TBD	Current
203	30	0476	1301	Unallocated	-	Current
204	500	0604	1173	Unallocated	-	Current

205	935	1757	0020	Unallocated	-	Current
206	556	1330	0447	Unallocated	-	Current
207	373	0663	1114	Unallocated	-	Current
208	85	1436	1114	Unallocated	-	Current
209	652	0753	1024	Unallocated	-	Current
210	310	0731	1046	Unallocated	-	Current

- 1) In the octal notation for the first 10 bits as shown in this column, the first digit (1/0) represents the first bit and the last three digits are the conventional octal representation of the remaining 9 bits.
- 2) When MTSAT-2 is unavailable, MTSAT-1R will broadcast two PRN signals-each of which is received from an independent uplink station-in order to maintain continuity in case of uplink signal attenuation or equipment failure at either uplink station. Similarly, MTSAT-2 will broadcast two PRN signals when MTSAT-1R is unavailable. When MTSAT-1R and MTSAT-2 are available, MTSAT-1R will broadcast PRN 129 signal only and MTSAT-2 will broadcast PRN 137 signal only.
- 3) This PRN number is designated solely for low-power terrestrial regional applications within Japan
- 4) A1 => RAAN = 0, Argument of Perigee = 270, Mean Anomaly = 324, at Epoch 31Dec 07 00:00:00